

Water-Data Report 2008

404330074463201 Local number 190531- Inst

 Piedmont and Blue Ridge crystalline-rock aquifers
 Precambrian Erathem

Hunterdon County, NJ

LOCATION.--Lat 40°43'30", long 74°46'32" referenced to North American Datum of 1927, Tewksbury Township, Hunterdon County, NJ, Hydrologic Unit 02030105.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 200 ft. Upper casing diameter undefined; top of first opening undefined, bottom of last opening undefined.

DATUM.--Land-surface datum is 762 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined.

PERIOD OF RECORD.--WY 2008.

REMARKS.--Mid Proterozoic Losee Metamorphic Suite.

COOPERATION.--Water quality samples were collected as part of the North New Jersey Radionuclide project, in cooperation with the New Jersey State Department of Environmental Protection.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 4

[QC, quality control sample. Remark codes: <, less than; E, estimated.]

Date	Time	Sample medium and type	Turbidity white light, det ang 90+/30 corrctd NTRU (63676)	Barometric pres- sure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, unfiltrd field, std units (00400)	Speci- fic conduc- tance, wat unf μS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)
Oct									
15...	1110	Ground water, regular	5.2	747	6.2	6.2	308	16.0	12.5
15...	1110	QC - Ground water, replicate	--	--	--	--	--	--	--

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 4

[QC, quality control sample. Remark codes: <, less than; E, estimated.]

Date	Calcium water, filtrd, mg/L (00915)	Chlor- ide, water, filtrd, mg/L (00940)	Silica, water, filtrd, mg/L as SiO2 (00955)	Sulfate water, filtrd, mg/L (00945)	Ammonia water, filtrd, mg/L as N (00608)	Nitrate + nitrite water, filtrd, mg/L as N (00631)	Nitrite water, filtrd, mg/L as P (00613)	Ortho- phosphate, water, filtrd, mg/L as P (00671)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Total coli- form, Defined Substr. Tech., water, MPN/ 100 mL (50569)	Arsen- ate, water, filtrd, μg/L as As (62453)	Arsen- ite, water, filtrd, μg/L as As (01000)
Oct												
15...	30.5	29.3	30.4	14.8	.023	.53	<.002	.010	<1	E1	E.1	E.04
15...	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 4

[QC, quality control sample. Remark codes: <, less than; E, estimated.]

Date	Barium, water, fltrd, μg/L (01005)	Iron, water, fltrd, μg/L (01046)	Mangan- ese, water, fltrd, μg/L (01056)	Stront- ium, water, fltrd, μg/L (01080)	Alpha radioac 2-sigma 72 hr, Th-230, pCi/L (62637)	Alpha radioac mdc, wat flt 72 hr, Th-230, pCi/L (62638)	Alpha radioac wat flt 72 hr, Th-230, pCi/L (62636)	Ra-226 Ra-224 water, MDC, filtrd, pCi/L (99324)	Ra-226 2-sigma water, gamma count, pCi/L (50911)	Ra-226 Ra-226, water, filtrd, pCi/L (99325)	Ra-228 Ra-228, water, unfiltrd, gamma count, pCi/L (50837)	Ra-228 Ra-228, water, MDC, gamma count, pCi/L (50840)
Oct												
15...	1.2	15	14.3	28.9	2.4	.60	12.3	1,200	.36	.4700	.80	.31
15...	--	--	--	--	2.5	.60	13.6	1,200	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 4 of 4

[QC, quality control sample. Remark codes: <, less than;
E, estimated.]

Date	Rn-222			
	Ra-228, count- water, unfiltrd gamma count, pCi/L (50839)	Rn-222, error, water, unfiltrd pCi/L (82302)	Rn-222, natural water, filtrd, pCi/L (82305)	Uranium water, filtrd, μg/L (22703)
Oct				
15...	E.12	1,200	38,300	20.8
15...	--	--	--	--